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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/650,852	08/29/2003	Katsuhiko Hieda	04329.3128	7406	
22852	7590 10/25/2005		EXAMINER		
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			WOJCIECHOWICZ, EDWARD JOSEPH		
LLP 901 NEW Y(ORK AVENUE, NW	ART UNIT	PAPER NUMBER		
WASHINGTON, DC 20001-4413			2815		
		DATE MAILED: 10/25/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application N	lo.	Applicant(s)				
		10/650,852		HIEDA, KATSUHIKO				
		Examiner		Art Unit				
		Edward Wojci	echowicz	2815				
The MAILING DATE Period for Reply	of this communication app	pears on the co	ver sheet with the co	orrespondence ad	Idress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status	•							
1)⊠ Responsive to comm	nunication(s) filed on <u>05 O</u>	October 2005.			·			
2a) ☐ This action is FINAL		s action is non-	final.					
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4)⊠ Claim(s) <u>1,3-6 and 13-23</u> is/are pending in the application.								
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/ar	S) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,3-6 and 1</u>	☑ Claim(s) <u>1,3-6 and 13-23</u> is/are rejected.							
7) Claim(s) is/ar								
8) Claim(s) are s	subject to restriction and/c	or election requ	irement.					
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 11	9 .				•			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 								
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached deta	illed Office action for a list	t of the certified	copies not receive	u.				
Attachment(s)	·							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
 2) Notice of Draftsperson's Paten 3) Information Disclosure Statement Paper No(s)/Mail Date 	ent(s) (PTO-1449 or PTO/SB/08	5) 6)	Paper No(s)/Mail Da Notice of Informal P Other:		O-152)			

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DETAILED ACTION

The after final amendment filed on 10-5-05 has been entered, however, the indicated allowability of claims 1, 3-6 and 13-23 is withdrawn in view of the newly discovered reference(s) to JP-09-283719.

Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 3-6 and 13-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (5,392,232) in view of Matsuoka et al (6,621,110) and newly cited Japanese reference 09-283719. As stated in the previous action, Kim and Matsuoka teach the known combination of first electrodes arranged in a first direction, electrically connected to a plurality of transistors, where the first electrodes have a dielectric film covering the electrodes and a second electrode covering the dielectric film forming a capacitor structure.

The Japanese reference 09-283719 teaches a similar structure where an angle formed by a line parallel to the direction of the electrodes (19) and a line parallel to the direction of a bit line, is between 0 and 90 degrees, as claimed. See, for example, the structure shown in FIG. 13 of JP 09-283719, where first electrodes (19) appear to run at an acute angle to the direction of the bit line.

One skilled in the art would be motivated to combine these references in order to achieve a more efficient device density. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edward Wojciechowicz
Primary Examiner

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EW: ew